

WHAT IS CLAIMED IS:

1. A method of displaying a video signal on the display of a mobile display device, comprising:

transmitting a signal which identifies an installation part of an industrial installation by a transmitter of the installation part;

receiving the transmitted signal by a receiver of the mobile display device;

automatically relaying the received signal, or a transmission signal derived from the received signal, by the mobile display device to an analysis station;

the analysis station automatically transmitting information pertaining to the installation part to the mobile display device; and

automatically displaying a video signal corresponding to the information pertaining to the installation part on the display of the mobile display device.

2. The method as claimed in Claim 1, wherein the signal identifying the installation part comprises a radio signal, and the radio signal is transmitted as a constant pulsating signal.

3. The method as claimed in Claim 1, wherein the signal identifying the installation part comprises a radio signal, and the radio signal is transmitted only when there is a problem in the installation part.

4. The method as claimed in Claim 1, wherein, in the case of the reception of a plurality of different signals transmitted by transmitters in different installation parts, different priorities are automatically assigned to the received signals.

5. The method as claimed in Claim 1, wherein, in the case of the reception of a plurality of different signals transmitted by transmitters of different installation parts, a selection video signal is automatically displayed on the display of the mobile display device and, on the basis of this selection video signal, an operator is able to select one of the installation parts from which the received signals originate, and the signal assigned to the selected installation part, or a transmission signal derived therefrom, is the first of the received signals that is relayed to the analysis station.

6. The method as claimed in Claim 1, wherein an analysis station pertaining to the installation part transmitting the signal is determined in the mobile display device on the basis of the received signal, and the received signal, or a transmission signal derived from the received signal, is relayed to the analysis station thus determined.

7. A device for displaying a video signal on the display of a mobile display device, comprising:

a transmitter which is situated on an installation part of an industrial installation and is provided for transmitting a signal which identifies the installation part;

a mobile display device comprising a display, a receiver, and a send and receive unit; and

an analysis station;

wherein the receiver is provided for receiving the signals transmitted by the transmitter of the installation part,

wherein the send and receive unit is provided for automatically relaying the received signal, or a transmission signal derived from the received signal, to the analysis station,

wherein the analysis station is provided for reception of the signal transmitted by the mobile display device, and for automatic transmission of the information pertaining to the installation part to the mobile display device, and

wherein the send and receive unit of the mobile display device is provided for receiving the information transmitted by the analysis station and the display is provided for displaying a video signal corresponding to the information pertaining to the installation part.

8. The device as claimed in Claim 7, wherein the signal identifying the installation part comprises a radio signal and contains a location identifier that contains information regarding the location of the installation part in the industrial installation.

9. The device as claimed in Claim 7, wherein the transmitter emits the signal constantly as a pulsating signal.

10. The device as claimed in Claim 7, wherein the transmitter emits the signal only when it encounters a problem.

11. The device as claimed in Claim 10, wherein the transmitter is part of a module and the module has an operating element by means of which the transmitter can be switched to different operating modes, wherein a first of the operating modes comprises a continuous pulsating transmission of the signal, and a second of the operating modes comprises a transmission of the signal only in the case when there is a problem.

12. The device as claimed in Claim 7, wherein the mobile display device comprises a collision recognition component which, in the case of the reception of a plurality of different signals, automatically assigns a different priority to each of the received signals.

13. The device as claimed in Claim 12, wherein the mobile display device comprises operating elements by means of which the priority assignment can be configured.

14. The device as claimed in Claim 7, wherein the mobile display device comprises:

a collision recognition component which, in the case of the reception of a plurality of different signals, provides a selection video signal which is displayed on the display; and

operating elements by means of which one of the installation parts, from which the signals originate, can be selected on the basis of the selection video signal,

wherein the send and receive unit of the mobile display device is provided to relay the signal assigned to the selected installation part, or a transmission signal derived therefrom, to the analysis station first.

15. The device as claimed in Claim 7, wherein the mobile display device comprises an analyzer unit which determines, on the basis of the received signal, an analysis station pertaining to the installation part transmitting the signal, and wherein the send and receive unit of the mobile display device is provided to relay the signal, or a transmission signal derived therefrom, to the analysis station thus determined.